NC/QC/YD-W-1/2019-20/MM-C1 Date: 04-04-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}
Ref.: Material testing/PMC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Ranganath.R.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	162 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.16 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.05 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	29.05 N/Sq mm	Shall not be less than 27 N/Sqmm

A.E.E

KIRAN.
M.E, (Civil-E...
For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANT BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187
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NC/QC/YD-W-1/2019-20/MM-C2 Date: 08-04-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}
Ref.: Material testing/PMC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Ranganath.R.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**164 min**	Shall not be less than 30 min
2	Final setting time	**270min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.82 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.90 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**29.20 N/Sq mm**	Shall not be less than 27 N/Sqmm

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Page No. 1/1,

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NC/QC/YD-W-1/2019-20/MM-CB3A

Date: 13-05-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}
Ref.: Material testing/PMC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. Ranganath.R.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	15-04-19	13-05-19	28	22500	495	22.00	**22.30**
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	500	22.22	

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